

Minutes from April 22, 2003 MSFC PMC
Prepared by VS10/Rich Gladwin

DE01/Axel Roth chaired the meeting. Rich Gladwin reviewed the agenda. The agenda included: (1) Status of open actions, (2) X-Ray Polarimetry Explorer (XPE) formulation request (3) Auroral Multiscale imaging Explorer (AMIX) formulation request (4) X-43C implementation request.

Actions 1 from the 12/16/02 MSFC PMC was closed. Three actions remain open.

Martin Weisskopf presented the XPE request for MSFC resources to complete the formulation process. XPE will be the first dedicated x-ray polarimetry satellite. XPE is lead by a MSFC Principle Investigator (PI). Goddard Space Flight Center (GSSF) is responsible for the cost and schedule management. GSSF must consult with the MSFC PI prior to making cost and schedule decisions. Mr. Weisskopf indicated that the project had been in contact with Jim Pruitt regarding education and public outreach. Mr. Weisskopf indicated that there was a limited amount of integration required between the science instrument and the spacecraft, due to the simple instrument design. Axel Roth asked that the Systems Management Office review the proposal development process to determine if the SMO should be providing an independent cost estimate for proposed new work. Roy Malone asked what insight levels are anticipated for XPE. Mr. Weisskopf replied that some high risk areas would receive insight level 4 and other areas would receive insight level 1. It was also noted that since this AO has a two step selection proposal process, any significant changes to the proposal content would require a second presentation to the MSFC PMC. The MSFC PMC chairman committed MSFC resources to the XPE proposal to complete the formulation phase – in the event that the proposal is selected.

Bart Graham presented the X-43C booster activity. The activity is in support of the X-43C project, which is managed by LaRC. The MSFC work includes providing the booster, integrating the launch vehicle and delivering the demonstration vehicle to the separation point at the conditions specified. Roy Malone indicated that S&MA did not have the opportunity to review the resource requirements as specified in the presentation. Mr. Graham indicated the Directorates would be given additional opportunity to review and modify the manpower requirements. Dale Thomas asked if the X-43C project plan was approved. Mr. Graham replied that the X-43C booster activity implementation plan was still being developed and should be approved by August 1. An action was assigned for Bart Graham, the activity manager for the X-43C booster activity to submit the X-43C booster activity plan to affected organizations at MSFC. Pending closure of action 1, Axel Roth committed MSFC resources to the X-43C booster activity to complete the implementation phase.

ACTION 1:

Assigned to: TD/Bart Graham

Action: Submit the X-43C booster activity plan to the affected MSFC organizations for concurrence. If the plan contains significantly different resources, schedule or budget information, acquisition strategy, etc. than was presented to the MSFC PMC, the X-43C booster activity will be required to present to the MSFC PMC. MSFC SMO will make this determination.

Due Date: 08/20/03

Jim Spann presented the AMIX request for MSFC resources to complete the formulation phase. AMIX will investigate the causes of the dynamic structure of the aurora. David Throckmorton questioned how OSC was selected as the spacecraft provider. Dr. Spann indicated that an informal survey of vendors was conducted and that OSC was the only responder. Byron Butler further explained that the MSFC/OSC partnership would be declared and that a sole source justification would be written. Byron Butler asked if the Southwest Research Institute (SwRI) contract was a direct contract between MSFC and SwRI. Dr. Spann indicated that it was a direct contract. David Throckmorton asked about the data rates and data storage rates. Dr. Spann replied that the instrument operates continuously. Both predicted events and triggers for a high burst mode would allow data capture. Dr. Spann indicated that Rice University would provide the public outreach work. Dr. Spann indicated that the resource requirements assumed that a cooperative agreement would be used. Byron Butler indicated that additional procurement support would be needed for SwRI oversight. Dale Thomas asked who was responsible for providing the AMIX project plan, configuration management plan, quality plan, etc. Dr. Spann indicated that SwRI was contracted to produce the project planning documentation. Roy Malone asked what insight levels would be needed for SwRI. Dr. Spann said he was not aware of the 1-4 insight levels, but that he anticipated close collaboration with SwRI. Dave Throckmorton asked why there was no ED or SD support included. Dr. Spann indicated that the AMIX was responding to a cost cap mission and the mission would be terminated if the cap was exceeded. Dale Thomas asked who would cancel the project. Dr. Spann indicated that the PI would be responsible for recommending termination. Axel Roth recommended that the AMIX project consult with MSFC or GSFC if necessary. Since this AO has a two step selection proposal process, any significant changes to the proposal content would require a second presentation to the MSFC PMC. The MSFC PMC chairman committed MSFC resources to the AMIX proposal to complete the formulation phase - should the proposal be selected.

The meeting was then concluded.

Attendance for MSFC PMC
April 22, 2003

Name	Organization
<u>COUNCIL MEMBERS</u>	
Axel Roth	DE01
Dale Thomas	VS01
Chris Singer (for Denny Kross)	TD01
David Throckmorton (for Bill Kilpatrick)	ED01
Ann Whitaker	SD01
Randy Humphries (for Alex McCool)	MP01
Roy Malone (for Amanda Goodson)	QS01
Cliff Bailey (for Sheila Cloud)	AD01
Byron Butler (for Steve Beale)	PS01
Jim McGroary (for Bill Hicks)	LS01
Susan Cloud (for Tereasa Washington)	CD01
Jim Bradford (for Jim Ellis)	AD30

<u>OTHERS IN ATTENDANCE</u>	
Rich Gladwin (PMC Secretary)	VS10
Jim Spann	SD50
Richard Beranek	SD21
Frank Six	SD50
Larry Russell	SD20
Michael Vanhooser	SD21
Steve Robbins	VS10
Jim Owen	TD07
Bart Graham	TD07
Anne Storey	TD07
Sonja Bernier	QS30